

KOLESNIKOV, P.I.; KRASYUK, A.D.; BRINTSEV, A.I.

Using testers in the fields of the Stavropol region. Burenie
no.2:31-34 '65. (MIRA 18:5)

1. Ob'yedineniye "Stavropol'neftegaz".

KOLESNIKOV, Pavel Ivanovich, kand.tekhn.nauk; LIDERS, Georgiy Vladimirovich, kand.tekhn.nauk; ERADZE, David Georgiyevich, inzh.; SERGEYEVA, A.I., inzh., red.; VERINA, G.P., tekhn.red.

[Rail-lifting repair of tracks; practices of track repairmen of the Stalino, North Caucasus, and Southwestern Railroad] Podsmochnyi remont puti; opyt puteitsay Stalinskoi, Severo-Kavkazskoi i Iugo-Zapadnoi dorog. Moskva, Gos. transp. zhel-dor. izd-vo, 1958. 99 p. (MIRA 11:12)

(Railroads--Track)

FRISHMAN, M.A., prof., doktor tekhn.nauk; KOLESNIKOV, P.I., dots., kand.;
tekhn.nauk

Investigating interaction of car wheels and frame rails during sliding movement through switches. Trudy DIIT no.27:5-30
' 58. (MIRA 12:1)

(Car wheels) (Railroad's---Rails)

8(2)

SOV/91-59-3-9/22

AUTHOR: Kolesnikov, P.I., Engineer

TITLE: The Control of Cutouts in Voltage Circuits (Kontrol' tselosti predokhraniteley tsepey napryazheniya)

PERIODICAL: Energetik, 1959, Nr 3, pp 19-20 (USSR)

ABSTRACT: The author states that the existing control systems of cutouts using filters with zero sequence currents have one essential disadvantage, namely, they act when the fuses burn out as well as when a ground fault appears in the 6-35 kilovolt networks, with an ungrounded neutral. In order to eliminate this disadvantage, the author recommends application of the control system, designed by himself, for voltage transformers in 6-35 kilovolt networks. The system consists of two filters with 3 capacitors each, and a signaling relay. One of the filters is placed before the cutouts and the other behind them. To increase the sensitivity of the signaling relay - a 2 Ohm resistor is connected

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SOV/91-59-3-9/22

The Control of Cutouts in Voltage Circuits

in series with each line. The capacity of the capacitors are 4-6 microfarads; the relay is ET-523/01 type. The system has been in operation on 6 power transmission lines for over one year without any defects. There is 1 circuit.

Card 2/2

KOLESNIKOV, P.I., kand.tekhn.nauk, dotsent

Stresses and deformation of rails caused by track gauging.

Trudy DIIT no.30:201-208 '60.

(MIRA 14:12)

(Railroads--Rails)

(Railroads--Maintenance and repair)

KOLESNIKOV, P.I., dotsent, kand. tekhn. nauk (Tashkent);
SUDARUSHKIN, A.F., inzh. (Tashkent); SINYAGIN, Yu.A., inzh.
(Tashkent)

Stabilization of tracks with reinforced concrete ties and
gravel ballast. Put' i put. khoz. 7 no.6:6-8 '63.
(MIRA 16:7)

(Railroads—Track) (Ballast(Railroads))

ALEKSANDROV, K.K.; KOLESNIKOV, P.I.

Acceleration of the technological progress is the aim. Put' i put.
khoz. 8 no.3:15 '64. (MIRA 17:3)

1. Glavnyy inzh.sluzhby puti, Sredneaziatskaya doroga, Tashkent
(for Aleksandrov). 2. Zaveduyushchiy kafedroy "Put' i putevoye kho-
zyaystvo" Tashkentskogo instituta inzhenerov zheleznodorozhnogo
transporta, Tashkent (for Kolesnikov).

KOLESNIKOV, P.I., kand. tekhn. nauk (Tashkent); SUDARUSHKIN, A.F., inzh.
(Tashkent).

Continuous rail track on sorted gravel. Put' 1 put. khoz. 8
no.11:15-16 '64 (MIRA 18:2)

KOLESNIKOV, P.I., kand. tekhn. nauk (Tashkent); TARSIN, V.P., inzh.
(Tashkent)

Continuous rail tracks in Central Asia. Put' 1 put. khoz.
8 no.7:2-3 '64. (MIRA 17:10)

EWI(1)/EWG(k)/BDS/EEC(b)-2/RS(w)-2
AFWL/SSD Pz-4/P1-4/Pab-4 AF/TJF(1)
APX003951

3/2057/11 111 007 0822

Kolesnikov, N. A.; Kolesnikov, P. M.

76
75

of electrodynamic acceleration of plasma bunches in a coaxial

tekhnikeskoy fiziki, v. 33, no. 7, 1967, 220-222

plasma physics, plasma acceleration, coaxial accelerator, plasma

An analytical derivation of acceleration equations is presented, the assumption of a perfectly conducting plasma bunch shunting the field a phase velocity much lower than the speed of light. The latter imposes the requirement of considering the displacement-current terms. This is a complex system of nonlinear integro-differential equations. Interpretation of the system indicates that the limiting velocity is equal to the voltage wave velocity in the coaxial line. This is determined for establishing the point beyond which the acceleration of currents is no longer necessary.

Kolesnikov, N. A.; Kolesnikov, P. M.

EEC(b)-2/EPA(w)-2/EWG(k)/EWT(l)/EWT(z)/EEC(t)/EPA(sp)-2/T/EWA(m)-2
 Pr-6/Pab-10 APTC(p)/ASD(p)-3/BSD/AEDC(b)/SSD(b)/ESD(gs)/IJP(c)
 AP4049032 AT/JD S/0057/64/034/011/1933/1938

Gesnikov, P.M.

Influence of the electromagnetic properties of the plasma burst on the acceleration process in a coaxial plasma gun

Journal tekhnicheskoy fiziki, v.34, no.11, 1964, 1933-1938

plasma gun, plasma resistance, plasma acceleration, mathematical physics

Influence on the operation of a coaxial plasma gun of the relation between the current I through the accelerated plasma and the potential V across it. The relation between V and I is assumed to have the form $V = R + BI^3$, where R and B are constants. By selecting suitable values for these constants, the cases of a perfectly conducting plasma or a plasma that follows the law $V = BI^3$ are treated. The term BI^3 represents the induced back emf and the non-linear properties of the plasma. The hysteresis effects that occur when the period of the plasma burst is long compared with the relaxation times of the relevant plasma processes are not treated. The equations of motion are solved analytically for

ACCESSION NR. AP4049032

...ing cases. These include the early stages of the motion for both small
and the later stages for small R . The equations were solved numerical-
~~ly using the aid of a computer for intermediate values of the parameters. It is con-~~
...st of the acceleration occurs in the early stage of the process
...ing the first half-cycle), and that the value of R exerts a large in-
...that of B a small one on the course of the process. The effect of dis-
...tance has been adequately discussed by ...

fluence and that of a small one on the course of the process. The effect of dis-
turbance has been adequately discussed by S.W.Kash (Plasma acceleration,
M. Press, 79, 1960). "In conclusion I express my gratitude to A.Ye.Bazha-
forming the numerical computations." Orig.art.has: 33 formulas and 5

Khar'kovskiy aviatsionnyy institut (Khar'kov Aviation Institute)

Jan 54

ENCL: 00

NR REF SOV: 011

OTHER: 001

L 14954-66 EPF(n)-2/EWA(h)/EWT(1)/EWT(m)/ETC(f)/EWG(m) IJP(c) AT
ACC NR: AT6004123 SOURCE CODE: UR/OL20/65/000/001/0045/0048

AUTHOR: Kolesnikov, P. M.

ORG: none

TITLE: ^{19.55} ^{21.44.55} Cerenkov radiation of a plasma bunch

SOURCE: Samoletostroyeniye i tekhnika vozdushnogo flota, no. 1, 1965, 45-48

TOPIC TAGS: moving plasma, ~~microwave plasma~~, ~~plasma~~ electromagnetic wave, plasma radiation, Cerenkov radiation, waveguide

ABSTRACT: The field of a plasma bunch moving uniformly along a coaxial line at the limiting velocity V_0 equal to the propagation velocity of the electromagnetic wave is considered. The telegrapher's equations are first written, ignoring the conductivity and representing the current as a delta-function

$$I_0 \delta(x - V_0 t)$$

to describe the plasma bunch. It is found that the solution in this case has only attenuated waves and does not contain traveling waves. Next, the telegrapher's equations are written considering conductivity

$$\frac{\partial I}{\partial x} = -C \frac{\partial U}{\partial t} - GU + I_0 \delta(x - V_0 t)$$

$$\frac{\partial U}{\partial x} = -L \frac{\partial I}{\partial t} - RI$$

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ACC NR: AT6004123

The solution, again obtained by using the Fourier integral representation, is indicated for several possible cases. For the particular case of interest, when $4GR(LCV_0^2 - 1) > V_0^2(RC + GL)^2$ the solution is

$$I = -I_0 \frac{V_0^2(RC + GL)^2 + 4GR(LCV_0^2 - 1)}{2(LCV_0^2 - 1)[4GR(LCV_0^2 - 1) + 3V_0^2(RC + GL)^2]} e^{-p \frac{V_0(RC + GL)}{2(LCV_0^2 - 1)}} \times$$

$$\times \left\{ e^{-ip \frac{\sqrt{4GR(LCV_0^2 - 1) - V_0^2(RC + GL)^2}}{2(LCV_0^2 - 1)}} + e^{ip \frac{\sqrt{4GR(LCV_0^2 - 1) - V_0^2(RC + GL)^2}}{2(LCV_0^2 - 1)}} \right\}$$

where

$$p = x - V_0 t$$

is negative. This only corresponds to the delta-current radiating attenuated electromagnetic wave. The corresponding solution for the voltage can be constructed in an analogous fashion, and the losses to Čerenkov radiation in the waveguide are easily obtained. Orig. art. has 25 equations.

SUB CODE: 20/ SUBM DATE: none/ ORIG REF: 004/ OTH REF: 001

Card 2/2 20

0004-05 EFF(n)-2/EPA(w)-2/EXT(1)/EWG(m) P1-4/P2-4/P2-6 IJP(c)
MR: AP5014179 AT/WW UR/0382/65/000/001/0073/0079
533.95:538.4:621.362

Polisnikov, P. M.

Acceleration of the oscillating plasmoid

Magnitnaya gidrodinamika, no. 1, 1965, 73-79

magnetohydrodynamics, plasmoid acceleration, plasma instability

Behaviour of the oscillating plasmoid in a high current accelerating
studied. The motion of the plasmoid is described for the case of a rail
cathode with the energy storage capacitor discharging through a combination

AP5014179

the accelerating period and that in which the plasmoid oscillates. In
case the pinch instability growth leads finally to the spreading out of
1. The oscillating mode accelerates less efficiently. Orig. art. has:

12 Formulas, 4 Figures.

NAME: none

02Jul64

ENCL: 00

SUB CODE: ME, EM

015

OTHER: 001

Card 2/2

L 24732-66 ENT(1)/ENP(m)/EWA(d)/T-2/EWA(h)/EWA(1) IJP(c) WW

ACC NR: AP6007889

SOURCE CODE: UR/0420/65/000/002/0022/0027

AUTHOR: Kolesnikov, P. M.

ORG: none

TITLE: The Lagrange problem in magnetohydrodynamics

SOURCE: Samoletostroyeniye i tekhnika vozdushnogo flota, no. 2, 1965, 22-27

TOPIC TAGS: magnetohydrodynamics, Lagrange problem, detonation wave, wave propagation

ABSTRACT: The author investigates problems in the theory of projection of bodies by detonation products. / The study is made in the MHD approximation. The parameters of the gas behind the detonation wave are determined, assuming $q \gg C^2 \gg U^2$. The motion of a piston under the effect of detonation products is also studied. The author studies an oscillating piston. On one side of the piston is a detonation mixture, located in a tube perpendicular to the axis of the tube, and on the other side there is a vacuum. It is assumed that the conductivity of the mixture is sufficiently high. The

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L 24792-66

ACC NR: AP6007889

2
mixture begins detonating from the piston. In conclusion, the author expresses his
gratitude to V. P. Demutskiy and N. A. Khizhnyak for discussing and assisting in the work.
Orig. art. has: 38 formulas.

SUB CODE: 20 / SUBM DATE: none / ORIG REF: 006 / OTH REF: 003

Card 2/2

AP5025880

SOURCE CODE: 12 0057/65/033/010/1736/1742

Bolesnikov, P.M.; Khizhnyak, N.A.

ORG: Khar'kov Aviation Institute (Khar'kovskiy aviatsionnyy institut)

TITLE: On the nonlinear oscillations of the plasma behind a front on which charged particles are produced

SOURCE: Zhurnal tekhnicheskoy fiziki, 7, 35, no. 10, 1965, 1736-1742

TOPIC TAGS: plasma oscillation, plasma shock wave, mathematic physics, kinetic equation, nonlinear equation

ABSTRACT: The authors discuss the behavior of the completely ionized plasma behind an "ionization front" propagating in an unionized gas and ionizing it. The treatment is based on the inhomogeneous kinetic equations for the electron and ion distribution functions and Poisson's equation for the self-consistent electric potential describing the Coulomb interactions. The collision integrals are not included in the kinetic equations. These equations are solved by Cauchy's method of characteristics and the resulting general solution is specialized for the case of an infinitely thin ionization front and for delta-function and Maxwell distributions of the velocities of the nascent ions and electrons. It is shown that under certain conditions (which are derived) longitudinal traveling waves develop in the plasma with a frequency close to the

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UDC: 533.9

L 7729-66

ACC NR: AP5025880

Langmuir frequency. For the case of Maxwell distribution of the velocities of the nascent ions and electrons, a first integral of Poisson's equation is derived; this relates the amplitude of the oscillations to the electron and ion temperatures and to the parameters and plays a role analogous to that of a dispersion equation. The effect of a ionization front of finite thickness is discussed briefly. When the amplitude of the oscillations is small the finite thickness of the front reduces the amplitude but leaves the frequency unchanged. For high amplitude oscillations the thickness of the front also influences the frequency. Orig. art. has: 46 formulas.

SUB CODE: ME/ SUBM DATE: 13Jan64/ ORIG REF: 008/ OTH REF: 004

2/2

L 1326-66 EWT(1)/ETC/EPF(n)-2/EWG(m)/EPA(w)-2 LJP(c) AT

ACCESSION NR: AF5024032

UR/0057/65/035/009/1577/1584

AUTHOR: Kolesnikov, P. M. 44.55

TITLE: Acceleration of a pulsating plasma beam 21.44.55

SOURCE: Zhurnal tekhnicheskoy fiziki, v. 35, no. 9, 1965, 1577-1584

TOPIC TAGS: plasma beam, plasma gun, plasma acceleration, plasma discharge

ABSTRACT: The author has calculated the behavior of a plasma gun in which a cylindrical plasma joining two parallel electrodes is accelerated by the electrodynamic forces arising when a capacitor is discharged through it. The possibility of radial pulsations of the plasma cylinder was taken into account. The calculations were based on the equation of motion of the plasma cylinder, the circuit equations, an expression for the circuit inductance as a function of the position and radius of the plasma cylinder, and the equation for the radial pulsations of the plasma. The last equation was taken from a work of M. A. Leontovich and S. M. Osovets (Atomnaya energiya, 1, 3, 81, 1956) and expresses the equality of the inertial reaction of the radially expanding or contracting plasma cylinder to the

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L 1326-66

ACCESSION NR: AP5024032

forces of magnetic and gas kinetic pressures. This equation was derived on the assumption that the plasma is a monatomic gas with an adiabatic index of $5/3$. The equations are rewritten in terms of dimensionless quantities. The equations were solved on a computer for appropriate initial conditions and for a number of values of several of the five dimensionless parameters that characterize the plasma gun. Some of the solutions are presented graphically. The entire calculation was repeated with an approximate expression proposed by A.K.Musin (Radiotekhnika i elektronika, 7, 3, 547, 1962) for the circuit inductance as a function of the position and radius of the plasma cylinder. The two calculations gave very similar results. The solutions are discussed and approximate ranges of the parameters are found within which pulsations occur. The plasma gun is most efficient under such conditions that the plasma cylinder expands without pulsating, and as much as 80% of the energy stored in the capacitor can appear as kinetic energy of the plasma burst. Orig. art. has: 29 formulas and 9 figures. [15]

ASSOCIATION: none

SUBMITTED: 21Sep64

ENCL: 00

SUB CODE: ME

NO REF SOV: 015

OTHER: 002

ATD PRESS: 4/03

Card 2/2

Zalesnikov, P. M.

Unit: none

TITLE: Acceleration of a plasmoid in a strong-current accelerator with eroding electrodes

SOURCE: Samoletostroyeniye i tekhnika vozdushnogo flota, no. 3, 1965, 30-35

TOPIC TAGS: plasmoid acceleration, erosion, plasma accelerator, plasma velocity,

electrode computer calculation
 SUMMARY: The author considers the acceleration of a plasmoid of variable mass resulting from the erosion of electrodes, with account taken of the resistance of gas to the motion of the plasmoid. The problem is of interest because the electrostatic acceleration of plasmoids in strong-current accelerators (such as a Marx generator) is always accompanied by destruction of the electrodes and a change in the mass. This in turn affects the dynamics of the acceleration. A computer solution of differential equations is set up, describing the acceleration of the plasmoid and the loss of mass from the electrodes, and is solved by means of an electronic computer (Ural) for different values of the parameters of the problem. From the comparison of the results of the solution with the experimental data it is concluded that allowance for the eroding metal mass leads to a decrease in the maximum velocity, as compared with the ideal case. The momentum of the plasmoid remains approximately constant, but the accelerator efficiency decreases. The resistance of

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L 27060-66

ACC NR: AP6006433

the external medium greatly reduces the velocity, especially in the case of large plasmoids. To obtain maximum velocity and to increase the momentum and the efficiency of the accelerator, it is necessary to limit the plasmoid acceleration time by choosing an optimal accelerator length or by opening the switching circuit at the instant when maximum velocity is attained. Orig. art. has: 4 figures and 11 formulas.

SUB CODE: 20/ ORIG REF: 009/ OTH REF: 002 / DATE SUBM: 00

L 16011-66 EWT(1)/ETC(f)/SPF(n)-2/ENG(m) IJP(c) AT
 ACC NR: AP6004881 SOURCE CODE: UR/0057/66/036/001/0080/0084

AUTHOR: Kolesnikov, P.M.

ORG: none

TITLE: Acceleration of a plasma burst in a coaxial accelerator with eroding electrodes

SOURCE: Zhurnal tekhnicheskoy fiziki, v. 36, no. 1, 1966, 80-84

TOPIC TAGS: plasma gun, plasma acceleration, plasma velocity, electrode, erosion, gas mechanics

21.445
 ABSTRACT: The acceleration of a plasma burst in a rail- or Marshall-type plasma gun is discussed with the effects of electrode erosion and resistance of the unexcited gas ahead of the plasma taken into account. To formulate the equations of motion it is assumed that the mass of material eroded from the electrodes is proportional to the time integral of the square of the current and that of the resistance of the medium is proportional to the square of the velocity of the plasma burst. It is assumed that the eroded material becomes part of the plasma burst and is accelerated with it. The equations of motion were solved with the aid of a computer for a number of values of the relevant parameters, and the solutions are presented graphically and discussed. It is concluded that electrode erosion decreases the maximum velocity of the plasma burst but has relatively little effect on its momentum, and that the resistance of the medium decreases the maximum velocity, particularly of high velocity

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UDC: 533.9

L 160411-66

ACC NR: AP6094881

bursts. In the presence of a resistive medium the plasma burst reaches a certain maximum velocity that it does not exceed. To achieve maximum velocity of the plasma burst and maximum efficiency of the accelerator, the design must be such as to minimize the acceleration time; this can be achieved by optimizing the length of the gun and properly locating the initiating discharge. Orig. art. has: 11 formulas and 1 figures.

[15]

SUB CODE: 20/
ATD PRESS: 4203

SUBM DATE: 23Sep64/

ORIG. REF: 009/

OTH REF: 002/
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FW
Card 2/2

ACC NR: AP 7001313

SOURCE CODE: UR/0057/66/036/012/2199/2203

AUTHOR: Kolčnikov, P.M.

ORG: Khar'kov Aviation Institute (Khar'kovskiy aviatsionnyy institut)

TITLE: On analytic solutions of a class of equations of nonlinear electrodynamics

SOURCE: Zhurnal tekhnicheskoy fiziki, v. 36, no. 12, 1966, 2199-2203

TOPIC TAGS: mathematic method, Maxwell equation, nonlinear equation, Cauchy problem, electrodynamics

ABSTRACT: The author presents a method for obtaining analytic solutions of the one-dimensional Maxwell equations $\partial H / \partial z = -k \partial E / \partial t$, $\partial E / \partial z = -\mu \partial H / \partial t$ when the dielectric constant k is a function of the electric field strength E and the magnetic permeability μ is a function of the magnetic field strength H . The two characteristic variables are introduced as new independent variables. This leads to a second order partial differential equation for either z or t in terms of the new independent variables. These equations are written for the two special cases when either μ or k is constant. It is shown that when μ is constant (the case when k is constant can be treated similarly) the second order equation in the new independent variables reduces to the Euler-Poisson-Darboux equation with parameter m provided $k = (AE + C)^n$, where A and C are constants and $n = 4m / (1 - 2m)$. When m is an integer, the solution of the second order equation can be expressed in terms of elementary functions; otherwise,

Card 1/2

UDC: 538.30

ACC NR: ~~AP 7001313~~ APPROVED FOR RELEASE: 09/17/2001

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the solution can be expressed in terms of hypergeometric functions. As examples, the general solutions of Cauchy's and Goursat's problems are obtained for the special case $m = 1$. This case has previously been treated by S.A. Khristianovich Prikladnaya matematika i mekhanika, 11, 2, 215, 1947) in connection with hydrodynamics. The author thanks G.A. Dombrovskiy and N.A. Khizhnyak for valuable advice. Orig. art. has: 37 formulas.

SUB CODE: 20

SUBM DATE: 04Nov 65

ORIG. REF: 004

Card 2/2

EWI(d)/EWP(s)/EWI(m)/EWA(d)/EWP(s)/EWP(h)/EWP(z)/
CLASSIFICATION NR: AR5005586 S/0276/64/00C/009/B030/B030
EWP(s)/EWP(z) PI-4 MJW/JD 24
B

Ref. zh. Tekhnologiya mashinostroyeniya. Svodnyy tom, Abs. 9B172

Kolesnikov, P. P.

The manufacture and use of tools made from "plasticized" blanks of hard

SOURCE: Sb. Effektivn. metody ispol'z. rezh. instrumenta. Minsk, 1963,

TOPICS: machine tool, hard alloy, sintered blank, cutting tool technology,
alloy VK8M 4

ABSTRACT: The VNIIT tverdykh splavov (All-Union Research Institute for Hard
Alloys) has developed a new method for manufacturing complex cutting tools (i.e.
reamers, reamers, form tools, counterbores), as well as parts for dies, jigs
from hard alloy. The procedure is based on

... developed ...
... cutters, reamers, form tools, counterbores), as well as parts for dies, dies
... of almost any shape, from hard alloys. The procedure is based on
... "plasticized" billets shaped on machine tools to the required dimensions and
... prior to sintering. The subsequent sintering imparts all the properties

NR: AR5005686

...stic of hard alloys. The operational procedure employed in manufactur-
...articles as dies from hard alloys is described. It is demonstrated that
...or hard alloys in tools insures more accurate final dimensions in parts
...with such tools, provides a sharp improvement in tool life (i.e. 1000
...higher in involute gear cutters made from "plasticized" hard alloy VksM)
...roves the productivity of labor. Three illustrations. L. Tishonova.

CODE: IE, MM

ENCL: 00

2/2

KOLESHNIKOV, P.T., inzh.

Investigating the performance of double-action ensilage rammers.
Trakt. 1 sel'khoz mash. no. 3:29-32 Kr '59. (MIRA 12:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'skokhozyay-
stvennogo mashinostroyeniya.
(Ensilage)

KOLESHNIKOV, P.T., inzh.; ZYKOV, G.D., agronom

Packing and preservation of silage covered with a polyethylene film. Zhivotnovodstvo 21 no.5:37-40 My '59. (MIRA 12:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'skokhozyaystvennogo mashinostroyeniya.
(Ensilage) (Polyethylene)

✓ KOLESNIKOV, P. T., CAND TECH SCI, ^{Study} ~~INVESTIGATION~~ OF THE
PROCESS OF PACKING ^{an ensilage} ~~an ensilage~~ ~~an ensilage~~ MASS AND COMPUTATION OF
THE PARAMETERS OF THE PACKERS. MOSCOW, 1960. (JOINT COUN-
CIL OF ALL-UNION SCI RES INST ^{of} ~~FOR~~ MECHANIZATION OF AGR.
"VIM" ~~[ALL-UNION INSTITUTE OF MECHANIZATION]~~ AND ~~ALL-~~ ALL-
UNION SCI RES INST OF ELECTRIFICATION OF AGR "VIESKH"). (KL,
2-61, 209).

KOLESNIKOV, P.T., kand. tekhn. nauk

Technological characteristics of silage used in the calculations
for packers. Trudy VISKHOMa no.41:45-78 '63.

(MIRA 17:9)

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1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

21

Heat conductance of a layer (of coal). P. T. Kolesnikov. *Podzemnaya Gazifikatsiya Uglei* 1913, No. 5.

9-11. Actual measurements of heat conductance were carried out in various parts of an underground coal block undergoing gasification. The problem was complicated by the presence of cracks in the block through which gases circulated. The heat cond. was found to be 0.12-0.15 cal./sec sq. m. per hr.

S. I. Madorsky

COMMON VERTICAL INDEX

COMMON ELEMENTS

COAL

MATERIALS INDEX

ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION

1930-1939

1940-1949

1950-1959

1960-1969

1970-1979

1980-1989

1990-1999

2000-2009

2010-2019

2020-2029

2030-2039

2040-2049

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2080-2089

2090-2099

2100-2109

2110-2119

2120-2129

2130-2139

2140-2149

2150-2159

2160-2169

2170-2179

2180-2189

2190-2199

2200-2209

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4690-4699

1ST AND 2ND DEGREE		PROCESS AND PROPERTY INDEX		3RD AND 4TH DEGREE	
COMMON ELEMENTS		B-I-2			
<p>First generator gas under conditions of underground gasification [of coal]. P. T. KOSSENKOV (Podzem. Gaz. Uglet, 1933, No. 4, 39-41).—Coal containing 34.57% of moisture and 24.26% of ash yielded gas containing CO 6-13, H₂ 6-8, and CH₄ approx. 0.2%. Chr. Abs. (c)</p>					
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The image shows a rectangular metal plate with a series of small circular holes along all four edges, characteristic of a punched card or a component from a mechanical assembly. The plate is dark and appears aged, with some surface texture and minor discoloration. In the upper central portion, there are faint, handwritten-style markings that appear to be "10/". The overall appearance is that of a technical drawing or a photograph of a physical part.

Katagatkov, P. I.

2346. RELATIONSHIP BETWEEN THE LENGTH AND CROSS SECTION OF THE
GASIFICATION CHANNEL IN UNDERGROUND GAS GENERATORS. *PODZEM. GAZIF. UGLYE* P.I.
(Podzem. Gazif. Uglya Undergr. Gasif. Coal, Moscow), 1956, (9), 1-18. abstr.
in Ref. Zh. Khim. (Ref. J. Chem., Moscow), 1957, (14), 3871. An attempt is
made to apply the laws discovered in gasification plant above ground to
underground gasification.

KOLESNIKOV, P.T.

Regenerative method of conducting the process of underground coal gasification. Podzem.gaz.ugl. no.1:39-41 '58. (MIRA 11:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy i proyektnyy institut podzemnoy gazifikatsii ugley.

(Coal gasification, Underground) (Waste heat)

KOLESNIKOV, R.P.

Using the method of reverse extrusion for manufacturing piston billets.
Avt.prom. 29 no.12:40-41 D '63. (MIRA 17:4)

ANGERVAKS, Al'fred Ivanovich; KOLESNIKOV, Rudol'f Pavlovich;
KHESIN, S.M., red.

[Precision flashless die forging of bevel gear] Bezob-
loinaia shtampovka konicheskikh zubchatykh koles s pro-
filem zuba. Leningrad, 1964. 21 p. (MIRA 17:7)

SOURCE:

R. P. Kolesnikov, R. P.

CKG: none

TITLE: Flashless die forging of spur gears

SOURCE: Kuznechno-shtampovoychnoye proizvodstvo, no. 11, 1965, 9-12

TOPIC TAGS: hot die forging, die, electroerosion, metal heat treatment, *transmission*

ABSTRACT: The author describes a newly developed technique for the flashless die forging of spur gears, based on the prior heating of blanks in an argon atmosphere to minimize the surface-layer defects and hence also the subsequent machining of the gear and cutting of die inserts by means of electroerosion machining. The technique for flashless die forging is as follows: 1) lathe-turning of blanks to the required size (L = 91.5 mm); 2) heating of blanks to 1150°C in argon atmosphere; 3) die forging at 1160-850°C; 4) heating of forgings to 1160°C in argon; 5) final forging at 1160-850°C and, if necessary, calibration at 850-700°C; 6) heat treatment of the forged gears (oil quenching from 870°C and tempering at 300°C); 7) machining in the conventional sequence on gear-shaping and gear-grinding machines; 8) heat treatment and case-hardening of gear teeth; 9) final machining. The electroerosion shaping of the die inserts by means of electric spark machines assures a high dimensionality.

Card 1/2

UDC: 621.73.034

sional precision and purity of the toothed surface of the insert and moreover it represents a rapid and convenient method of producing and repairing die inserts. The spur gears manufactured with the aid of such die inserts on a 1500-ton hot-stamping crank press have virtually defect-free surfaces and precise dimensions so that the tolerances for their teeth can be reduced 1.5-2 times compared with the normal tolerances. Furthermore, metal consumption in flashless die forging is 25-35% lower than accompanied forging and the labor requirement of machining is 10-15% lower. The method of flashless die forging as described here can be recommended for introduction in small shops. Orig. art. has: 7 figures, 1 table.

SUB CODE: 13/ SUBM DATE: none/ ORIG REF: 000/ OTH REF: 000

AVRAMENKO, L.I.; KOLESNIKOV, R.V.

Detection of HO_2 radicals by means of electron paramagnetic resonance. Dokl. AN SSSR 140 no.5:1100-1101 0 '61.

(MIRA 15:2)

1. Institut khimicheskoy fiziki AN SSSR. Predstavleno akademikom V.N.Kondrat'yevym.

(Radicals(Chemistry)—Spectra)

KOLESNIKOV, S.; ADAMOVSKIY, S.

Odessa health resort grows and develops. Okhr. truda i sots.
strakh. 5 no.5:21-22 My '62. (MIRA 15:5)

1. Nachal'nik Odesskogo territorial'nogo kurortnogo upravleniya
(for Kolesnikov). 2. Doverennyy vrach Odesskogo oblastnogo
soveta professional'nykh soyuzov (for Adamovskiy).
(Odessa Province—Health resorts, watering places, etc.)

KOLESNIKOV, S.A.

BAKULEV, A.M., professor; KOLESNIKOV, S.A., doktor meditsinskikh nauk

Treatment of acute lung abscesses [with summary in English].
Khirurgiia 33 no.5:17-25 My '57. (MIRA 10:8)

1. Iz kliniki fakul'tetskoy khirurgii imeni S.I.Spasokukotskogo
II Moskovskogo gosudarstvennogo meditsinskogo instituta imeni
I.V.Stalina i Instituta grudnoy khirurgii AMN SSSR (dir. -
deystvitel'nyy chlen AMN SSSR prof. A.N.Bakulev)
(LUNGS, abscess
acute, surg. (Rus))

KOLESHNIKOV, S.A., doktor meditsinskikh nauk (Moskva)

Pathogenesis and classification of suppuration of the lungs. Klin.
med. 35 no.4:9-17 Ap '57. (MIRA 10:7)

1. Iz instituta grudnoy khirurgii AMN SSSR (dir. - deystvitel'nyy
chlen AMN SSSR prof. A.N.Bakulev)
(LUNGS, DISEASES
suppuration, pathogen. & classif.)

BAKULEV, A.N., prof., ROLESNIKOV, S.A., doktor med.nauk., GALUSHEK, Yu.A.,
kand.med.nauk (Moskva)

Surgical treatment of mitral insufficiency. Klin.med.36 no.8:25-32
Ag '58 (MIRA 11:9)

1. Iz Instituta grudnoy khirurgii AMN SSSR (dir. - prof. A.N.
Bakulev):

(MITRAL VALVE, dis.
insuff., surg. (Rus))

BAKULEV, A.N., prof., red.; BUSALOV, A.A., prof., red.; ZHMUR, V.A.,
prof., red.; IVANITSKAYA, M.A., dots., red.; KOLESNIKOV, S.A.,
doktor med. nauk, red.; SERGEYEV, V.M., red.; ZAKHAROVA, A.I.,
tekhn. red.

[Transactions of the First Jubilee Scientific Session of the
Institute for Chest Surgery of the Academy of Medical Sciences
of the U.S.S.R.] Trudy 1-i iubileinoi nauchnoi sessii, 2-4
dekabria 1957 g. Moskva, Pod red. A.A. Busalova. Moskva,
Medgiz, 1959. 263 p.
(MIRA 15:5)

1. Akademiya meditsinskikh nauk SSSR, Moscow. Institut grudnoy
khirurgii. 2. Deystvitel'nyy chlen Akademii meditsinskikh
nauk SSSR, Institut grudnoy khirurgii Akademii meditsinskikh
nauk SSSR (for Bakulev). 3. Direktor fakul'tetskoy khirurgicheskoy
kliniki Vtorogo Moskovskogo gosudarstvennogo meditsinskogo in-
stituta imeni N.I. Pirogova (for Busalov). 4. Institut grudnoy
khirurgii Akademii meditsinskikh nauk SSSR (for Zhmur, Ivanitskaya,
Kolesnikov).

(CHEST—SURGERY)

GENIN, N.M. (Moskva, ul. Arbat, 54/2, kv.158); KOLESNIKOV, S.A.;
SOBOLEVA, A.D.; CHEKHAJEVA, G.A.

Mechanism of the formation of secondary mitral stenosis following commissurotomy. Grud.khir. 1 no.1:41-47 Ja-F '59.

(MIRA 13:6)

1. Iz Instituta grudnoy khirurgii (dir. - prof. A.A. Busalov)
Akademii meditsinskikh nauk SSSR.

(MITRAL VALVE--DISEASES)

KOLESNIKOV, S.A. (Moskva, Prosp. Mira, d.103.kv.155); TSUKERMAN, G.I.

One-step operation for combined aortic and mitral stenosis.

Grud.khir. l. no.2:11-17 Mr-Apr '59.

(MIRA 1617)

1. Iz Instituta grudnoy khirurgii (dir.-prof. A.A.Buzalov) AMN
SSSR.

(AORTA-SURGERY) (MITRAL VALVE-SURGERY)

KOLESNIKOV, S.A. (Moskva, Prospekt Mira, d.103,kv.155); GENIN, N.M.

Right-side approach in mitral commissurotomy. Grud. khir.
1, no.3:3-8 My-Je '59. (MIRA 15:3)

1. Iz Instituta grudnoy khirurgii (dir. - prof. A.A. Busalov,
nauchnyy rukovoditel' - akademik A.N. Pakulev) AMN SSSR.
(MITRAL VALVE--SURGERY)

KOLESHNIKOV, S.A., doktor med.nauk; STEPANYAN, Ye.P., doktor biol.nauk

Value of determining the hyaluronidase-antihyaluronidase in
blood serum of patients before and after mitral commissurotomy.
Khirurgiya 35 no.4:92-96 Ap '59. (MIRA 12:8)

1. Iz Instituta grudnoy khirurgii AMN SSSR (dir. - daystvitel'-
nyy chlen AMN SSSR prof. A.N.Bakulev).

(MITRAL STENOSIS, blood in
hyaluronidase & antihyaluronidase, value of
pre- & postcommissurotomy determ. (Rus))

(HYALURONIDASE, in blood
in mitral stenosis, value of pre- & postcom-
missurotomy determ. with antihyaluronidase
(Rus))

BOGUSH, L.K., prof., red.; KOLESNIKOV, S.A., prof., red.; SERGEYEV, V.M.,
kand. med. nauk, red.; SMIRNOV, Z., red.; LAVRENT'YEVA, G.,
tekhn. red.

[Technic of mitral commissurotomy; transactions of the First
Symposium on the Technic of Mitral Commissurotomy, Moscow, 1960]
Tekhnika mitral'noi komissurotomii; trudy. Moskva, In-t grudnoi
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1. Simpozium po tekhnike mitral'noy komissurotomii. 1st, Moscow,
1960. 2. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for
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(MITRAL VALVE--SURGERY)

KOLESNIKOV, S.A. (Moskva, Prospekt Mira, d.103, kv.155)

Technique of mitral commissurotomy. Grud. khir. 2 no.1:3-15
Ja-F '60. (MIRA 15:3)

1. Iz Instituta grudnoy khirurgii AMN SSSR (dir. - prof.
S.A. Kolesnikov, nauchnyy rukovoditel' - akademik A.N.
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(MITRAL VALVE—SURGERY)

STEPANYAN, Ye.P.; KOLESNIKOV, S.A.

Interrelation of heparin and tissue antihyaluronidase in the blood serum of patients with mitral stenosis of rheumatic etiology. Grud. khir. 2 no.1:37-43 Ja-F '60. (MIRA 15:3)

1. Iz Instituta grudnoy khirurgii AMN SSSR (dir. - prof. A.A. Busalov, nauchnyy rukovoditel' - akademik A.N. Bakulev). Adres avtora: Moskva, Leninskiy prosp., d.8, Institut grudnoy khirurgii AMN SSR.

(ANTIHYALURONIDASE)
(HEPARIN)
(MITRAL VALVE—DISEASES)

BAKULEV, A.N.; KOLESNIKOV, S.A.; BUKHARIN, V.A.; ZUBAREV, R.P.

First report on the clinical use of a large vasosutural apparatus
for carrying out a cava-pulmonary anastomosis in tetralogy of
Fallot. Grud.khir. 2 no.2: 3-6 Mr-Apr'60. (MIRA 16:7)

1. Iz Instituta grudnoy khirurgii AMN SSSR (dir.prof. A.A.Busalov,
nauchnyy rukovoditel' - akademik A.N.Bakulev). Adres avtorov:
Moskva, Leninskiy prosp., d.8, Institut grudnoy khirurgii AMN
SSSR.

(PULMONARY ARTERY—SURGERY) (VENA CAVA—SURGERY)
(SURGICAL INSTRUMENTS AND APPARATUS) (TETRALOGY OF FALLOT)

KOLESNIKOV, S.A.; KARPAN, V.L.; PIROGOV, A.I.

Dynamocardiographic study of the functional state of the heart
in lung diseases. Grud. khir. 2 no.4:51-56 J1-Ag '60. (MIRA 15:6)

1. Iz laboratorii fiziologii krovoobrashcheniya (zav. - akademik
Ye.B. Babskiy) i vtorogo legochnogo otdeleniya (zav. - doktor
med.nauk S.A. Kolesnikov) Instituta grudnoy khirurgii AMN SSSR
(dir. - akademik A.N. Bakulev). Adres avtorov: Moskva, Leninskiy
prospekt, d.8, Institut grudnoy khirurgii AMN SSSR.
(LUNGS—DISEASES)
(HEART BEAT)

ZHAROV, I.S., zasl. deyatel' nauki, prof., otv. red.; KOLESNIKOV
S.A., prof., red.; NAPALKOV, P.N., zasl. deyatel' nauki,
prof., red.; ROVNOV, A.S., prof., red.; DAMIR, Ye.A., kand.
med.nauk, red.; DARBINYAN, T.M., kand. med.nauk, red.;
SERGEYEV, V.M., kand. med. nauk, red.; UVAROV, B.S., kand. med.
nauk, red.; LUKUMSKIY, G.I., kand. med.nauk, red.; BUKOVSKAYA,
N.A., tekhn. red.

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(ANESTHESIOLOGY—CONGRESSES)

KOLESNIKOV, S.A.; BEREZOV, Yu.Ye.; SERGEYEV, V.M.; KOVANEV, V.A.

"Essays on chest surgery" by N.M.Amosov. Reviewed by S.A.Kolesnikov
and others. Grud. khir. 2 no.5:122-127 S-O '60. (MIRA 16:5)
(CHEST—SURGERY) (AMOSOV, N.M.)

KOLESHNIKOV, S.A.; GENIN, N.M.

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(MIRA 14:1)

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(MITRAL VALVE--SURGERY)

BAKULEV, A.N., akademik; KOLESNIKOV, S.A., professor

Some problems in surgical treatment of mitral stenosis. Vest.
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(MIRA 13:6)

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(MITRAL STENOSIS surg.)

KOLESNIKOV, S.A., prof.; PETROSYAN, Yu.S.

Pulmonary-arteriolar resistance (second barrier) in patients with
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(LUNGS--BLOOD SUPPLY)

(MITRAL VALVE--DISEASES)

(MIRA 13:11)

KOLESNIKOV, S.A., prof.; SERGEYEV, V.M., kand.med.nauk; RYZHKOV, Ye.N.,
kand.med.nauk

Surgical therapy for coelomic cysts of the pericardium. Vest.
khir. 85 no.12:77-89 D '60. (MIRA 14:1)

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nauchn. rukovod. - prof. A.I. Bakulev) Akademii meditsinskikh
nauk SSSR.

(PERICARDIUM—SURGERY) (CYSTS)

KOLESNIKOV, S.A.; IVANITSKAYA, M.A.

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in surgical treatment of mitral stenosis. Grud.khir. no.3:21-28
'61.
(MIRA 14:9)

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(MITRAL VALVE—DISEASES) (CALCIFICATION)

KOLESNIKOV, S.A., professor; TSUKERMAN, G.I.; PETROSYAN, Yu.S.; LEVANT,
A.D.

Surgical treatment of mitral, aortic and tricuspid stenosis.
Vest.khir. no.5:3-10 '61.

(MIRA 15:1)

1. Iz Instituta grudnoy khirurgii (dir. - prof. S.A. Kolesnikov,
nauchn. rukovod. - akademik A.N. Bakulev) AMN SSSR. Adres avtorov:
Moskva, B-49, Leninskiy pr., d.8, Institut grudnoy khirurgii.
(AORTA—DISEASES) (MITRAL VALVE—DISEASES)
(HEART—VALVES—DISEASES)

KOLESNIKOV, S. A.; ZHADOVSKAYA, V. M.; PETROSYAN, Yu. S.

Measurement of the pressure in the left cavities of the heart and
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(MITRAL VALVE—SURGERY) (PULMONARY ARTERY)
(BLOOD PRESSURE)

KOLESNIKOV, S.A.; BUKHTIYAROV, A.G.

Results of the experimental testing of the Research Institute for
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125-131 '61. (MIRA 15:8)

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(PERFUSION PUMP (HEART))

KOLESNIKOV, S. A.; SOBOLEVA, A. D.; CHEKAREVA, G. A. (Moskva)

Histogenesis of the structure of the heart in tetralogy of Fallot
(dextroposition of the bulbus of the heart). Arkh. pat. no.7:
62-67 '61. (MIRA 15:4)

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Kolesnikov, nauchnyy rukovoditel' - akad. A. N. Bakulev) i
kafedry patologicheskoy anatomii (zav. - deystvitel'nyy chlen
AMN SSSR prof. I. V. Davydovskiy) II Moskovskogo meditsinskogo
instituta imeni N. I. Pirogova.

(TETRALOGY OF FALLOT)

KOLESNIKOV, S.A., prof.; LEVANT, A.D.

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51-58 My-Je '61. (MIRA 15:3)

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S.A. Kolesnikov; nauchnyy rukovoditel' - akademik A.N. Bakulev).
(HEART VALVES—SURGERY)

KOLESNIKOV, S.A.; GENIN, N.M.; LEVANT, A.D.; PETROSYAN, Yu.S.

Surgical treatment of tricuspid stenosis. Grud. khir. 1 no.5:16-23
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A.A. Busalov nauchnyy rukovoditel' - akademik A.N. Bakulev).
Adres avtorov: Moskva, Leninskiy prosp., d.8, Institut grudnoy
khirurgii AMN SSSR.

(HEART—VALVES)

KOLESNIKOV, S.A.; BURAKOVSKIY, V.I.

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"dry" heart operations using hypothermia and artificial circulation.
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(HEART—SURGERY)

KOLESNIKOV, S.A.

Surgery on the open heart under conditions of artificial blood circulation. Vest. AMN SSSR 16 no.8:16-24 '61. (MIRA 14:12)

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(HEART SURGERY) (BLOOD CIRCULATION, ARTIFICIAL)

KOLESNIKOV, S.A.; SERGEYEV, V.M.

Achievements in contemporary chest surgery and the prospects for its further development. Vest. AMN SSSR 16 no.12:92-98 '61. (MIRA 15:2)

1. Problemnaya komissiya po probleme No.30 "Khirurgiya serdtsa, magistral'nykh sosudov, legskikh i pishchevoda" (predsedatel' - prof. S.A.Kolesnikov) pri prezidiume AMN SSSR.
(CHEST SURGERY)

KOLESNIKOV, S.A., prof.; FITILEVA, L.M.

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phonocardiographic examination of patients. Vest.khir. 87 no.11:
46-51 N '61. (MIRA 15:11)

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S.A. Kolesnikov) i laboratorii funktsional'noy diagnostiki (zav. -
kand.med.nauk G.G. Gal'shteyn) Instituta grudnoy khirurgii (dir. -
prof. S.A. Kolesnikov, nauchn. rukovoditel' - prof. A.N. Bakulev)
AMN SSSR.

(MITRAL VALVE—SURGERY) (HEART—SOUNDS)

KOLESNIKOV, S.A.; BURAKOVSKIY, V.I.; KLAMMER, M.Ye.; ROMASHOV, F.N.;
RYABOV, G.A.

Deep hypothermia in heart surgery. Grud.khir. 3 no.6:6-17
N-D '61. (MIRA 15:3)

1. Iz Instituta serdechno-sosudistoy khirurgii (dir. - prof.
S.A. Kolesnikov, nauchnyy rukovoditel' - akad. A.N. Bekulev)
AMN SSSR. Adres S.A. Kolesnikova: Moskva, Leninskiy pr., d.8,
Institut serdechno-sosudistoy khirurgii AMN SSSR.
(HEART—SURGERY) (HYPOTHERMIA)

KOLESNIKOV, S. A., prof.; (Moskva, pr. Mira, d. 103, kv. 155;
STEPANYAN, Is. P., doktor biol. nauk

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of rheumatic etiology. Vest. khir. no.2:3-6 '62.
(MIRA 15:2)

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Kolesnikov, nauchnyy rukovod. - akad. A. N. Bakulev)

(MITRAL VALVE—DISEASES) (BLOOD—COAGULATION)
(RHEUMATIC HEART DISEASE)

KOLESNIKOV, S. A.; BURAKOVSKIY, V. I.; MURAV'YEV, M. V.; ROMASHOV, F. N.;
LYUDE, M. N.

Clinical aspects, diagnosis and surgical treatment of cor trilocu-
lare biventriculare. Grud. khir. no.2:16-20 '62.

(MIRA 15:4)

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S. A. Kolesnikov, nauchnyy rukovoditel' - akad. A. N. Bakulev)
AMN SSSR.

(HEART--ABNORMALITIES AND DEFORMITIES)

KOLESNIKOV, S.A., prof.; MURAV'YEV, M.V., dotsent

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(MIRA 15:5)

1. Iz kafedry grudnoy khirurgii TSentral'nogo instituta usovershenstvovaniya vrachev (dir. M.D.Kovrigina) i Instituta serdechno-sosudistoy khirurgii AMN SSSR (dir. -- prof. S.A.Kolesnikov, nauchnyy rukovoditel' A.N.Bakulev).

(HEART--DISEASES)

KOLESNIKOV, S.A.; BUKHARIN, V.A.; KHUAN SYU-CHIHUN [Kuang Hsiu-chung]

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1. Iz otdeleniya zabolevaniy serdtsa i sosudov u detey (zav. - kand.med.nauk V.I.Burakovskiy) Instituta grudnoy khirurgii AMN SSSR (dir. - prof. S.A.Kolesnikov, nauchnyy rukovoditel' - akad. A.N.Bakulev).

(HEART-ABNORMALITIES AND DEFORMITIES)

KOLESHNIKOV, S.A.; STENANYAN, Ye.P.

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thrombosis and hemorrhages in surgical interventions on the heart.
Grud.khir. no.4:39-43 JI-Ag '62. (MIRA 15:10)

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Kolesnikov, nauchnyy rukovoditel' - akad. A.N.Bakulev) AMN SSSR.
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serdechno-sosudistoy khirurgii AMN SSSR.

(HEART—SURGERY)
(THROMBOSIS)
(HEMORRHAGE)
(FIBRINOLYSIS)
(BLOOD COAGULATION)

KOLESNIKOV, S.A.; NEZLIN, V.Ye.; IVANITSKAYA, M.A.; PETROSYAN, Yu.S.;
LEONT'YEVA, N.S. ASTRAKHANTSEVA, G.I.

Clinical observations on mitral stenosis patients with
active hypertension of the lesser circulation. Grud.khir.
4 no.6: 3-9 N-D'62.
(MIRA 16:10)

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S.A.Kolesnikov; nauchnyy rukovoditel' - akademik A.N.Bakulev)
AMN SSSR. Adres avtorov: Moskva, V-49, Leninskiy prospekt, d.8,
Institut serdechno-sosudistoy khirurgii AMN SSSR.
(MITRAL VALVE-DISEASES) (HYPERTENSION)

KOLESNIKOV, S. A., prof.; STEPANYAN, Ye. P.; SMIRENSKAYA, Ye. M.

Increased hemorrhagic diathesis after operations performed under artificial blood circulation. Probl. gemat. i perel. krovi no.8: 40-45 '62. (MIRA 15:7)

1. Iz laboratorii biokhimii (zav. - prof. Ye. P. Stepanyan), klinicheskoy fiziologii (zav. - prof. A. G. Bukhtiyarov) Instituta serdechno-sosudistoy khirurgii (dir. - prof. S. A. Kolesnikov, nauchnyy rukovoditel' - akad. A. N. Bakulev) AMN SSSR.

(HEMOPHILIA) (BLOOD—CIRCULATION, ARTIFICIAL)

BANSHCHIKOV, V.M.; KOLESNIKOV, S.A.; ROMANOVA, I.S.; GENIN, N.M.

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acquired heart defects following mitral commissurotomy. Zhur.
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1. Institut psikhiatrii (dir. - prof. V.M.Banshchikov) Ministerstva
zdravookhraneniya RSFSR i Institut grudnoy khirurgii (dir. - prof.
S.A.Kolesnikov) AMN SSSR, Moskva.
(MITRAL VALVE—SURGERY) (MENTAL ILLNESS)

KOLESNIKOV, S.A.; IVANITSKAYA, M.A.; TSUKERMAN, G.I.

Intravital diagnosis and surgical treatment of myxoma of the
heart. Grud.khir. 5 no.1:40-46 Ja-F'63. (MIRA 16:7)

1. Iz Instituta serdечно-sosudistoy khirurgii (dir.-prof. S.A.
Kolesnikov; nauchnyy rukovoditel'- akademik A.N.Bakulev) AMN SSSR.
(HEART-TUMORS) (ANGIOCARDIOGRAPHY)

KOLESNIKOV, S.A.; IVANITSKAYA, I.N.

Late results of mitral commissurotomy according to dynamocardiographic data. Grud. khir. 5 no.2:39-44 Mr-Apr'63
(MIRA 17:2)

1. Iz laboratorii klinicheskoy fiziologii (nav. - akademik AN UkrSSR Ye. B.Babitskiy) Instituta normal'noy i patologicheskoy fiziologii (direktor - deystvitel'nyy chlen AMN SSSR V.V.Parin) AMN SSSR i Instituta serdechno-sosudistoy khirurgii AMN SSSR. Adres Kolesnikova: Moskva V-49, Leninskiy prosp., d. 8, Institut serdechno-sosudistoy khirurgii AMN SSSR.

KOLESNIKOV, S.A.; VANINA, L.V.; GENIN, N.M.

Mitral commissurotomy during pregnancy. Grud. khir. 5 no.6:8-10
N-D'63 (MIRA 17:2)

1. Iz Instituta serdechno-sosudistoy khirurgii (direktor -
prof. S.A. Kolesnikov) AMN SSSR i kafedry akusherstva i
ginekologii (zav. - prof. K.N. Zhmakin) I Moskovskogo ordena
Lenina meditsinskogo instituta im. I.M. Sechenova. Adres avto-
rov: Moskva, V-49, Leninskiy prosp., d. 8. Institut serdechno-
sosudistoy khirurgii AMN SSSR.

KOLESNIKOV, S.A., prof.

Achievements in the field of cardiovascular surgery. Med. sestra
22.no.1:3-10 Ja '63. (MIRA 16:7)

1. Iz Instituta serdechno-sosudistoy khirurgii AMN SSSR, Moskva.
(CARDIOVASCULAR SYSTEM—SURGERY)

KOLESHNIKOV, S.A., prof.; TSUKERMAN, G.I., kand.med.nauk; LEONT'YEVA, N.S.,
kand. med.nauk; MEYTINA, R.A., kand. med. nauk; PETROSYAN, Yu.S.,
kand.med.nauk; GOLYA, B.F.; ASTRAKHANTSEVA, G.I.

Characteristics of the operative and immediate postoperative
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monary hypertension. Sovet. med. 27 no.6:14-20 Je'63.

(MIRA 17:2)

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S.A. Kolenikov, nauchnyy rukovoditel' - akademik A.N.Bakulev)
AMN SSSR.

BAKULEV, A.N., akademik; KOLESNIKOV, S.A., prof.; BURAKOVSKIY, V.I.;
GEL'SHTEYN, G.G.; LEBEDEVA, G.K.; MURAV'YEV, M.V.; MEYTIMA, R.A.

Artificial blood circulation in combination with hypothermia in
the surgery of congenital heart defects. Vest.khir. 90. no.2:
10-19 F'63. (MIRA 16:7)

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S.A.Kolesnikov, nauchnyy rukovoditel' - akademik A.N.Bakulev)
AMN SSSR. Adres avtorov: Moskva, V-49, Leninskiy pr., d.8,
Institut serdechno-sosudistoy khirurgii AMN SSSR.
(HEART—SURGERY) (HYPOTHERMIA)
(BLOOD—CIRCULATION, ARTIFICIAL)

KOLESNIKOV, S. A. (Prof,Dr)

"Treatment of difficult and calcified recurrent mitral stenoses."

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KOLESNIKOV, S.A.; STRAKHOV, S.N.

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based on electroencephalographic data. Grudn. khir. 5 no.3:
15-19 My-Je'63 (MIRA 17:1)

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S.A. Kolesnikov, nauch'yy rukovoditel' - akademik A.N. Bakulev)
AMN SSSR. Adres avtorov: Moskva V-49. Leninskiy prosp., d.8.
Institut serdechno-sosudistoy khirurgii AMN SSSR.

KOLESNIKOV, S.A.; BURAKOVSKIY, V.I.; GEL'SHTEYN, G.G.; LEBEDEVA, G.K.

Restoration of normal cardiac activity and vascular tonus using
an artificial blood circulation apparatus. Gradn. khir. 5 no. 4:
21-24. J1-Ag '63. (MIRA 17:1)

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S.A. Kolesnikov, nauchnyy rukovoditel' - akademik A.N. Bakulev)
AMN SSSR. Adres avtorov: Moskva V-49, Leninskiy prosp., d. 8,
Institut serdechno-sosudistoy khirurgii AMN SSSR.

KOLESNIKOV, S.A.; TSUKERMAN, G.I.; KOLESNIKOVA, N.I.; KHARIN, V.Yu.

Open-heart surgical treatment of mitral valve defects with
artificial blood circulation; review of foreign literature.
Grudn. khir. 5 no. 4:108-114 J1-Ag '63. (MIRA 17:1)

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S.A. Kolesnikov, nauchnyy rukovoditel' - akademik A.N. Bakulev)
AMN SSSR. Adres avtorov: Moskva V-49, Leninskiy prospekt, d. 8.
Institut serdechno-sosudistoy khirurgii AMN SSSR.

RYABOV, G. A.; KOLESNIKOV, S. A.; BAKULEV, A. N.

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report submitted for 3rd World Cong. Anesthesiology, Sao Paulo, Brazil, 20-26 Sep 64.

RYABOV - Cand Med Sci (travail effectue dans l'Institut de Chirurgie Cardiovasculaire, Moscow.

KOLESNIKOV - Dir, Activiste Emerite des Sciences de la RSFSR.

BAKULEV - Consultant Scientiphique, membre de l'Academie.

KOLESNIKOV, S. A.; RYABOV, G. A.; GELSHEYN, G. G.; LAGUTINA, A. I.; KOLESNIKOVA, N. I.;
KISS, S. Ya. (Moscow)

"L'insuffisance respiratoire aigue et son traite apres les interventions
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report submitted for 13th French Cong on Anesthesiology, Bordeaux, 31 May-
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